

FIG. 1

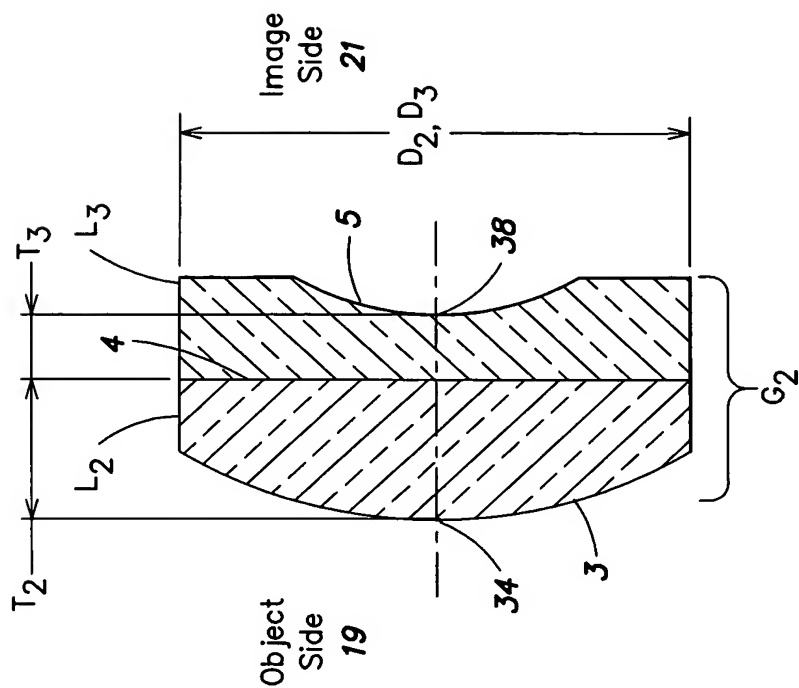


FIG. 3

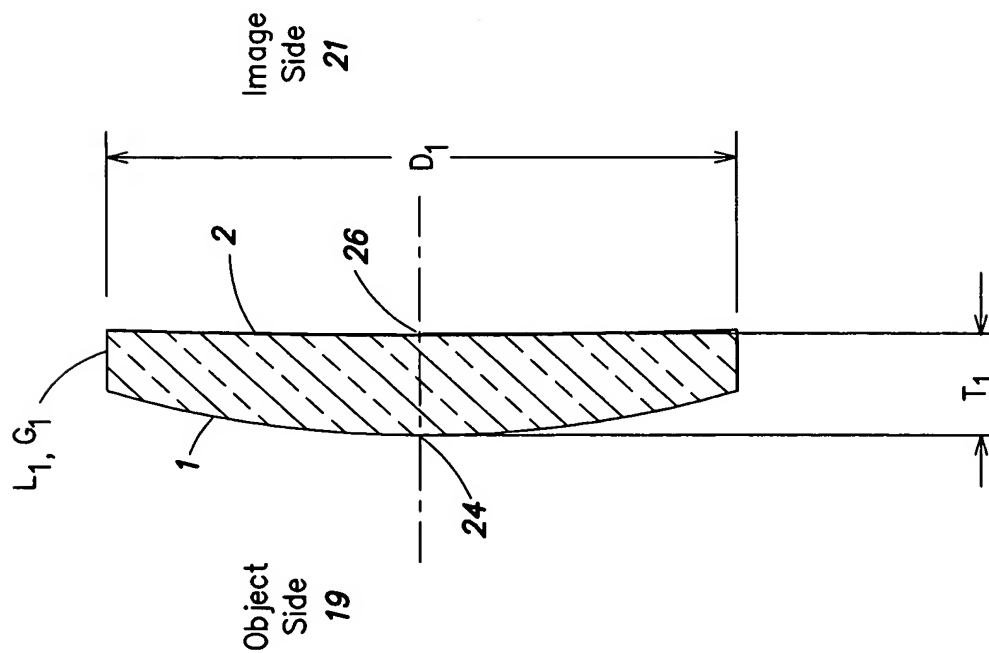


FIG. 2



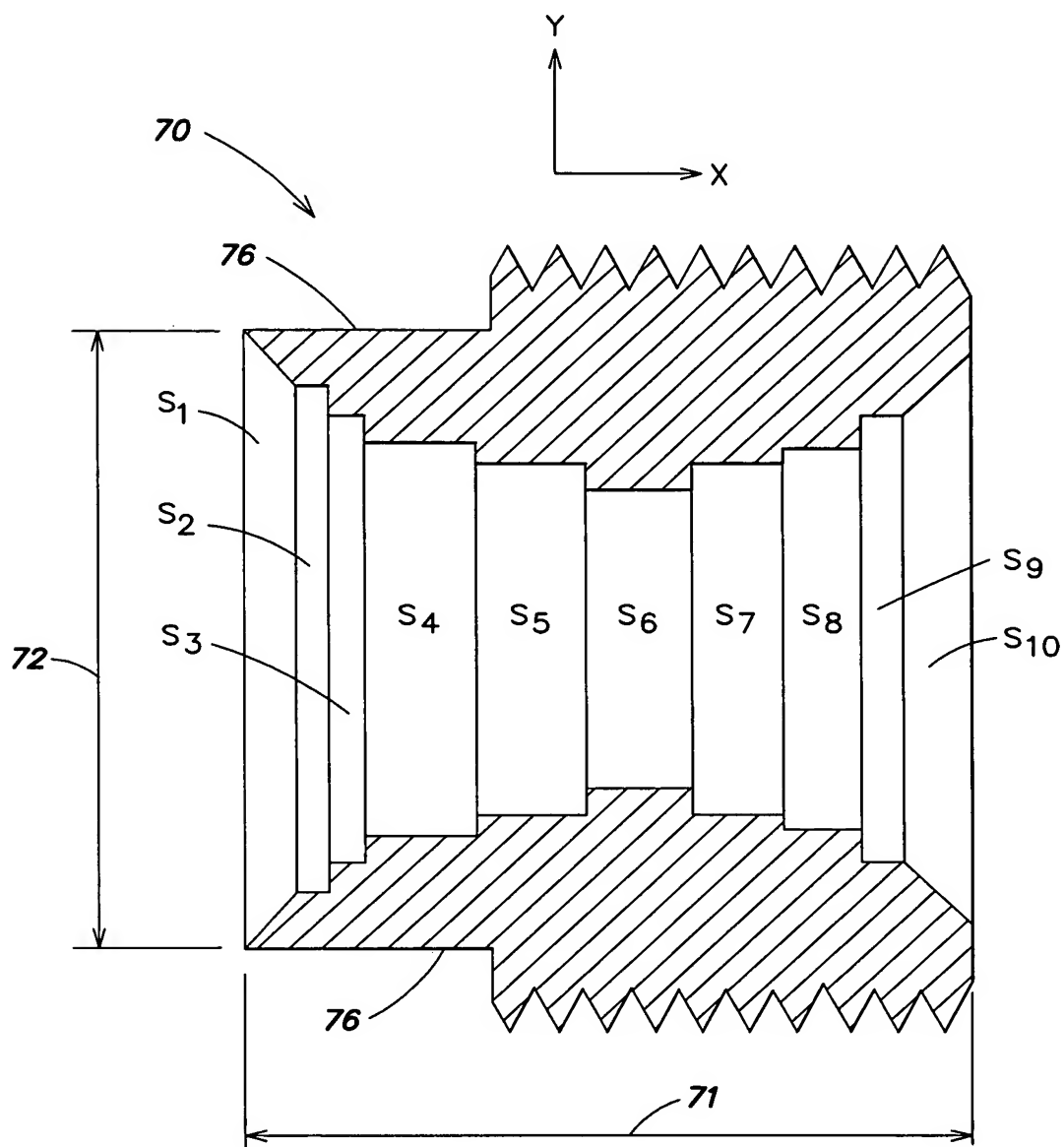


FIG. 6

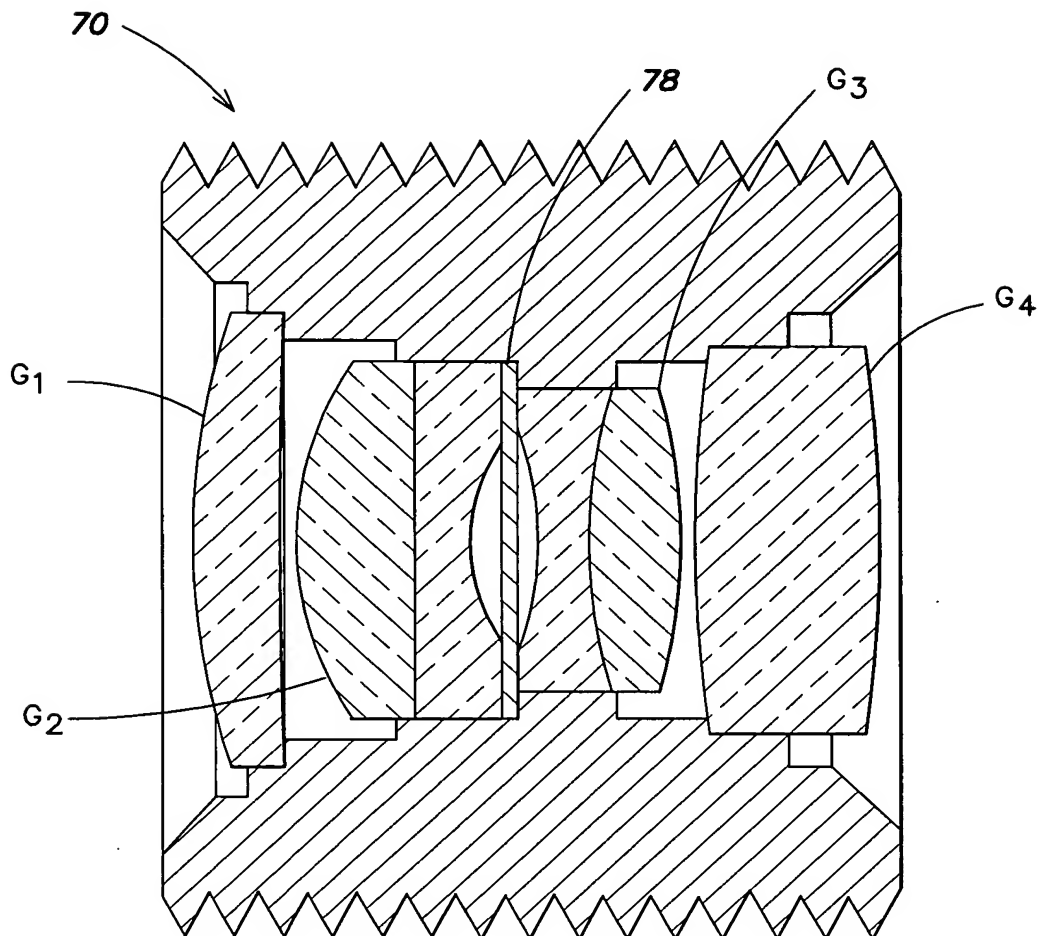
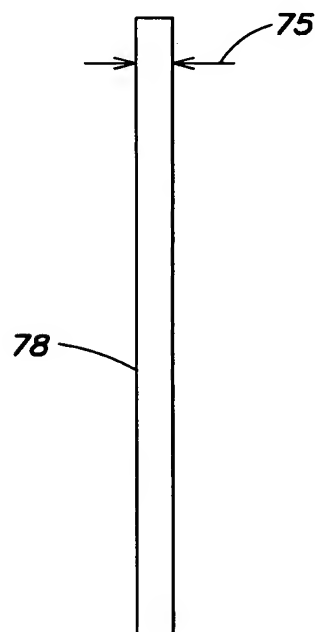
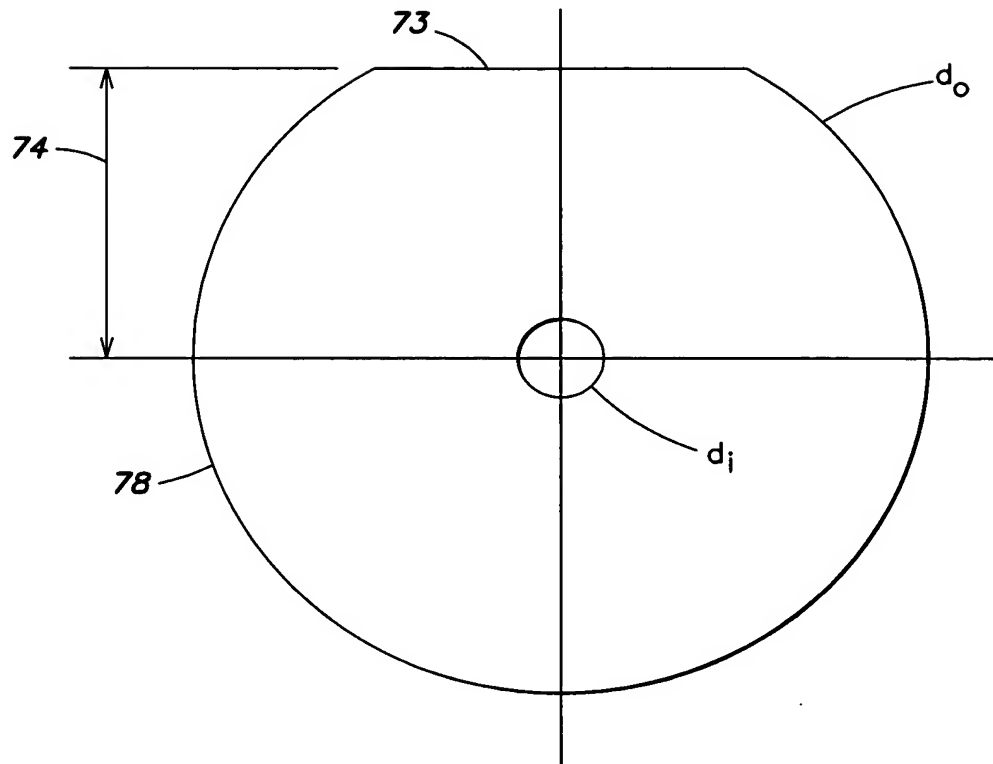


FIG. 7



Seidel Aberration Coefficients in Waves:

Surface	Spherical Aberration	Coma	Astigmatism	Field Curvature	Distortion	Longitudinal Chromatic	Tang. Chromatic
1	0.13874	0.883848	1.407644	3.539461	13.515967	-1.125674	-3.585565
2	0.046529	-1.2892	8.930063	-0.670975	-52.561525	-0.498369	6.904225
3	0.033756	0.185596	0.25511	7.062572	19.766232	-1.393566	-3.831026
4	0.039386	-0.348003	0.768702	0	-1.697986	0.876421	-3.87185
5	-0.109735	-1.060194	-2.560742	-10.718724	-57.964059	1.713971	8.279683
Stop 6	0	0	0	0	0	0	0
7	-0.579671	5.446971	-12.795822	-5.680603	56.748798	1.509037	-7.089948
8	0.012421	0.19626	0.775241	0.226878	4.854619	0.289455	2.286736
9	0.221645	-2.250962	5.715031	3.959724	-34.616958	-0.830168	4.215473
10	-0.000478	0.098849	-5.108631	1.971826	60.207226	0.047268	-4.88576
11	0.290546	-2.063967	3.665483	1.971826	-13.51337	-0.585213	2.078608
LENS TOTAL	0.093139	-0.200802	1.052079	1.661985	-5.261056	0.003162	0.500576
12	-0.097443	1.241366	-3.953573	0	12.591564	0.234291	-1.492367
13	0.078084	-0.994744	3.168116	0	-10.089996	-0.187744	1.195878
14	-0.04872	0.620667	-1.976735	0	6.295617	0.117142	-0.746164
15	0.029361	-0.374044	1.191278	0	-3.794048	-0.070596	0.449675
WINDOW TOTAL	-0.038718	0.493245	-1.570914	0	5.003137	0.093093	-0.592978
Image	0	0	0	0	0	0	0
TOTALS	0.054421	0.292443	-0.518835	1.661983	-0.257919	0.096256	-0.092401

FIG. 9

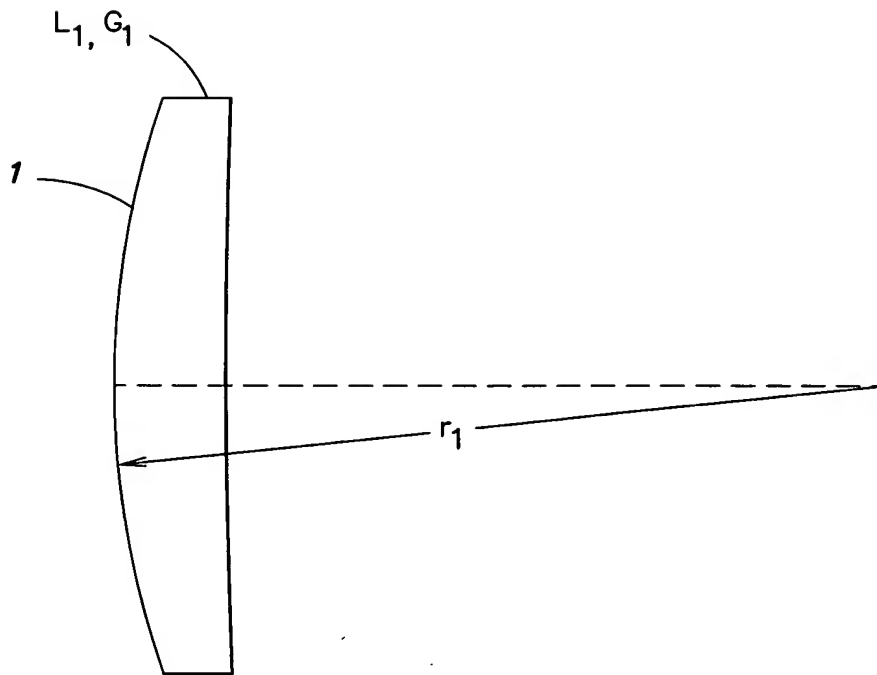


FIG. 10